Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/20/2020 09:41 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123993	-1	2.42	124039	2.48
Blue	F	SSC	125000	124327	-1	2.39	124922	2.37
Blue	E	FITC	15892	15483	-3	2.97	336	20.82
Blue	D	PE	29999	29082	-4	2.19	634	15.06
Blue	B	PerCP-Cy5-5	43732	43308	-1	3.82	1163	20.97
Blue	A	PE-Cy7	30845	30609	-1	6.18	579	41.37
Red	C	APC	46112	45075	-3	2.57	1594	11.85
Red	A	APC-Cy7	30458	29989	-2	2.41	792	11.69
Violet	B	V450	7918	7562	-5	4.15	431	12.94
Violet	A	V500	32171	30994	-4	3.94	725	10.46

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17045	10.62	629	8	N/A	N/A	Pass
Blue	F	SSC	57358	1.75	569	10	N/A	N/A	Pass
Blue	E	FITC	61	65.51	547	4	0.0184	121	Pass
Blue	D	PE	133	51.01	552	4	0.1587	282	Pass
Blue	B	PerCP-Cy5-5	216	50.07	659	3	0.0084	26	Pass
Blue	A	PE-Cy7	107	102.79	701	3	0.0107	16	Pass
Red	C	APC	382	24.71	583	-1	0.0261	171	Pass
Red	A	APC-Cy7	174	28.05	555	-1	0.0059	929	Pass
Violet	B	V450	65	58.87	461	3	0.0515	2016	Pass
Violet	A	V500	109	35.42	477	3	0.0240	1124	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.85	-32.25	0.97
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.43
Red	17.75	13.60 - 20.40	N/A	N/A	29.71	30.23	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9637

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments